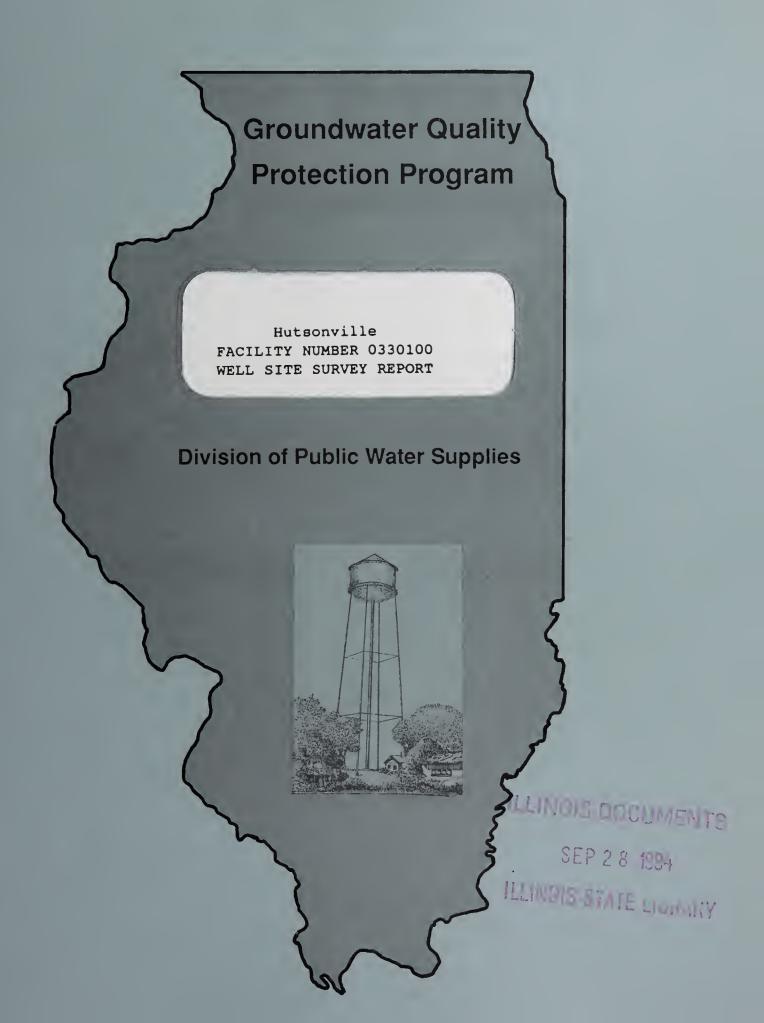
Division of Public Water Supplies 2200 Churchill Road Springfield, Illinois 62706





GROUNDWATER QUALITY PROTECTION PROGRAM:

Hutsonville FACILITY NUMBER 0330100 WELL SITE SURVEY REPORT

Presented by:

Division of Public Water Supplies

Published by:

Illinois Environmental Protection Agency
Springfield, Illinois

September 1994

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I553,79 HUTS C.3

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INTRODUCTION

This report has been prepared by the Illinois Environmental Protection Agency (Agency) pursuant to Section 17.1 of the Illinois Environmental Protection Act (Act). The report summarizes information about your facility and samples collected and analyzed from your well(s). The well site survey provides an inventory of the area around the well(s) to help increase your awareness of potential hazards to the groundwater utilized by your facility. This information and technical data will assist you in developing and implementing local groundwater protection measures authorized by the Act.

FACILITY DESCRIPTION AND GEOLOGIC PROFILE OF WELL SITES

Hutsonville has three public water supply wells. The facility produces 73,000 gallons per day to an estimated population of 650. See Table I for a description of each well. The wells utilize a sand and gravel aquifer overlain by alluvium, a mixture of gravel, sand, silt and clay along streams, variable in composition and thickness. Permeability is the ability of a soil or sediment to transmit fluids. A detailed description and geologic profile is found in the Facility wells Report (Appendix C).

TABLE 1

Well I.D.	Setba Min. (Ft.)	Max. (Ft.)	Status	Capacity (gpm) (MGD)	Specific Capacity (gpm/ft)	Treatment	Aquifer	Well Depth (Ft.)	Well Logs Avail.
well #2 (47810)	400		A	NA	NA	Cl,Fl	Sand & Gravel	37	Yes
well #3 (47811)	400		A	249.8 0.360	NA	Cl,Fl	Sand & Gravel	32	Yes
well #4 (00164)	400		A	329.6 0.475	NA	Cl,Fl	Sand & Gravel	77	Yes

A=Active; I=Inactive; SB=Standby

GROUNDWATER SAMPLING/MONITORING HISTORY

The public water supply wells no. 2, no. 3, and no. 4 were not sampled as part of the Statewide Groundwater Monitoring Network. Well no.3 was sampled for inorganic chemicals (IOC) to comply with the Safe Drinking Water Act. In the future the wells will be sampled for volatile organic and aromatic chemicals (VOC/VOA) as part of a new amendment to the Act. The IOC analyses performed found the water from the well to meet all general use guidelines. Well no. 2 and no. 4 was not sampled as part of the Statewide Groundwater Monitoring Network. In the future the wells will be sampled for volatile organic and aromatic chemicals (VOC/VOA).

SURVEY METHODS AND PROCEDURES

The detailed well site survey consists of an aerial photographic map and inventory sheets (Appendix B), that relate information about potential sources, routes and possible problem sites to your water supply well(s). The location of potential sources, routes, possible problem sites, water supply wells, minimum setback zones, and 1,000 foot survey area are all displayed on the aerial photographic map.

The first page of each survey consists of a summary description and geologic profile for each well. The second and following pages of the survey inventory units within and bordering a 1,500 foot radius of the wellhead. A unit is defined as any device, mechanism, equipment, or area (exclusive of land utilized for agricultural production). The Agency five-digit well number is associated with a unit or map code, and then classified. The classification codes relate to definitions of potential contamination sources and routes as defined in the Illinois Groundwater Protection Act (see Groundwater Primer pages 18-19). The distance and direction of the unit from the wellhead is also indicated.

Survey Results and Findings:

The well site survey of Hutsonville was conducted on July 24, 1991 by Anthony Dulka, Environmental Protection Specialist from the Agency's Springfield Office. The following describes the results and findings for Hutsonville.

Hutsonville well #2 (47810)

The survey area is urban consisting partly of commercial businesses and partly of moderate density residential housing. The well is located north of bridge and north of well 3. There are no visible potential sources, routes, or possible problem sites within the minimum setback zone (400 feet). Three potential sources or possible problem sites are located within the survey area of the well (1500 feet). These sites are the Village of Hutsonville-STP (map code 1) located 900 feet north of the well, Woolverton Service Station (map code 2) located 600 feet southwest of the well, and Old Ford Garage (map code 3) located 550 feet south of the well.

Hutsonville well #3 (47811)

The survey area is urban consisting partly of commercial businesses and partly of moderate density residential housing. The well is located north of bridge and south of well 2. There are no visible potential sources, routes, or possible problem sites within the minimum setback zone (400 feet). Three potential sources or possible problem sites are located within the survey area of the well (1500 feet). These sites are the Village of Hutsonville-STP (map code 1) located 1000 feet north of the well, Woolverton Service Station (map code 2) located 600 feet southwest of the well, and Old Ford Garage (map code 3) located 425 feet south of the well.

Hutsonville well #4 (00146)

The survey area is urban consisting partly of commercial businesses and partly of moderate density residential housing. The well is located northeast corner of town. There are no visible potential sources, routes, or possible problem sites within the minimum setback zone (400 feet). One potential sources or possible problem sites are located within the survey area of the well (1500 feet). This site is the Village of Hutsonville-STP (map code 1) located 975 feet southwest of the well.

SUMMARY

The well site survey conducted indicates that there are potential sources/sites that could pose a hazard to groundwater utilized by the Hutsonville public water wells.

- One with below ground fuel storage: Woolverton Service Station.
- Two other sites include: Village of Hutsonville-STP, and an Old Ford Garage.

The Illinois Environmental Protection Act provides minimum protection zones for your wells. These minimum protection zones are regulated by the Agency. The Act also authorizes county and municipal officials the opportunity to provide maximum protection zones up to 1,000 feet. The responsibility for the control would then be assumed by the local officials through adoption of a maximum setback zone ordinance.

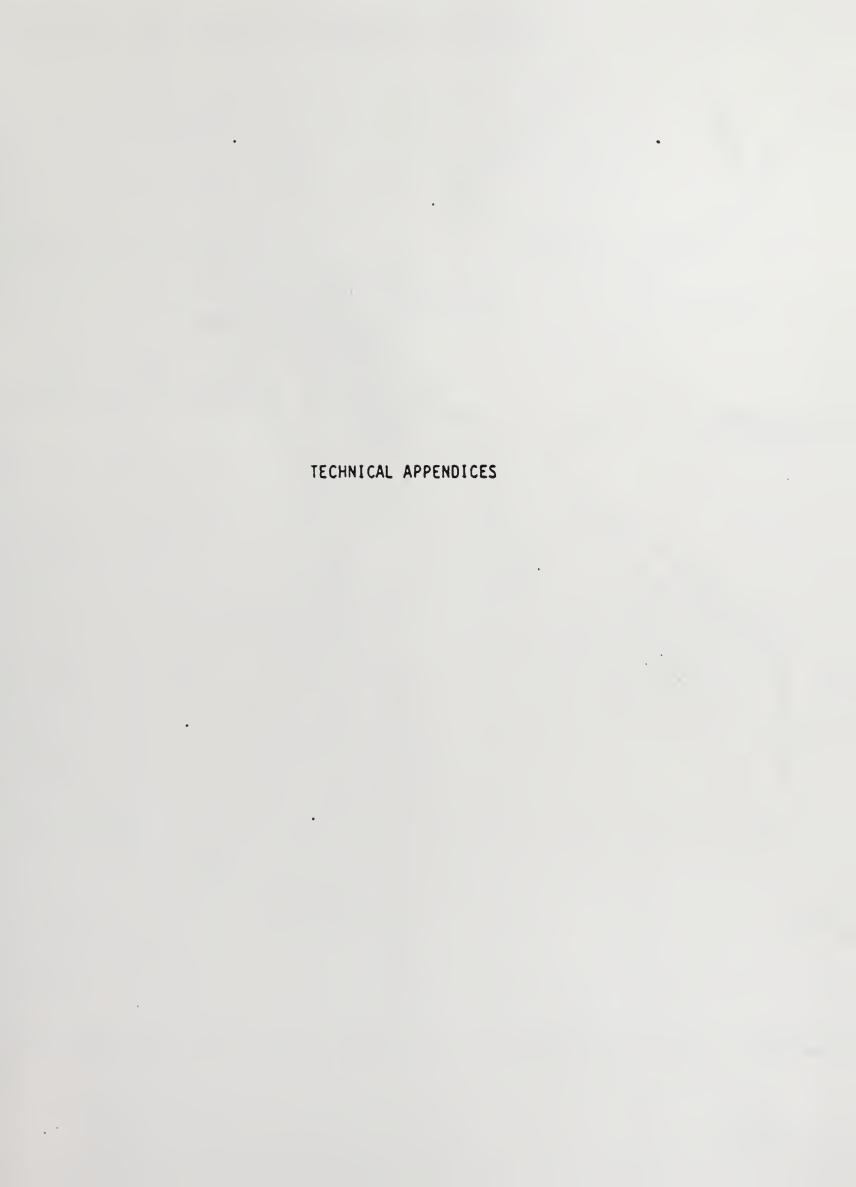
Maximum setback zones prohibit the siting of new potential primary sources of groundwater contamination. A maximum setback up to 1,000 feet could expand the regulatory coverage of certain existing and new activities. These controls could be implemented upon the adoption of proposed regulations by the Illinois Pollution Control Board.

RECOMMENDATIONS

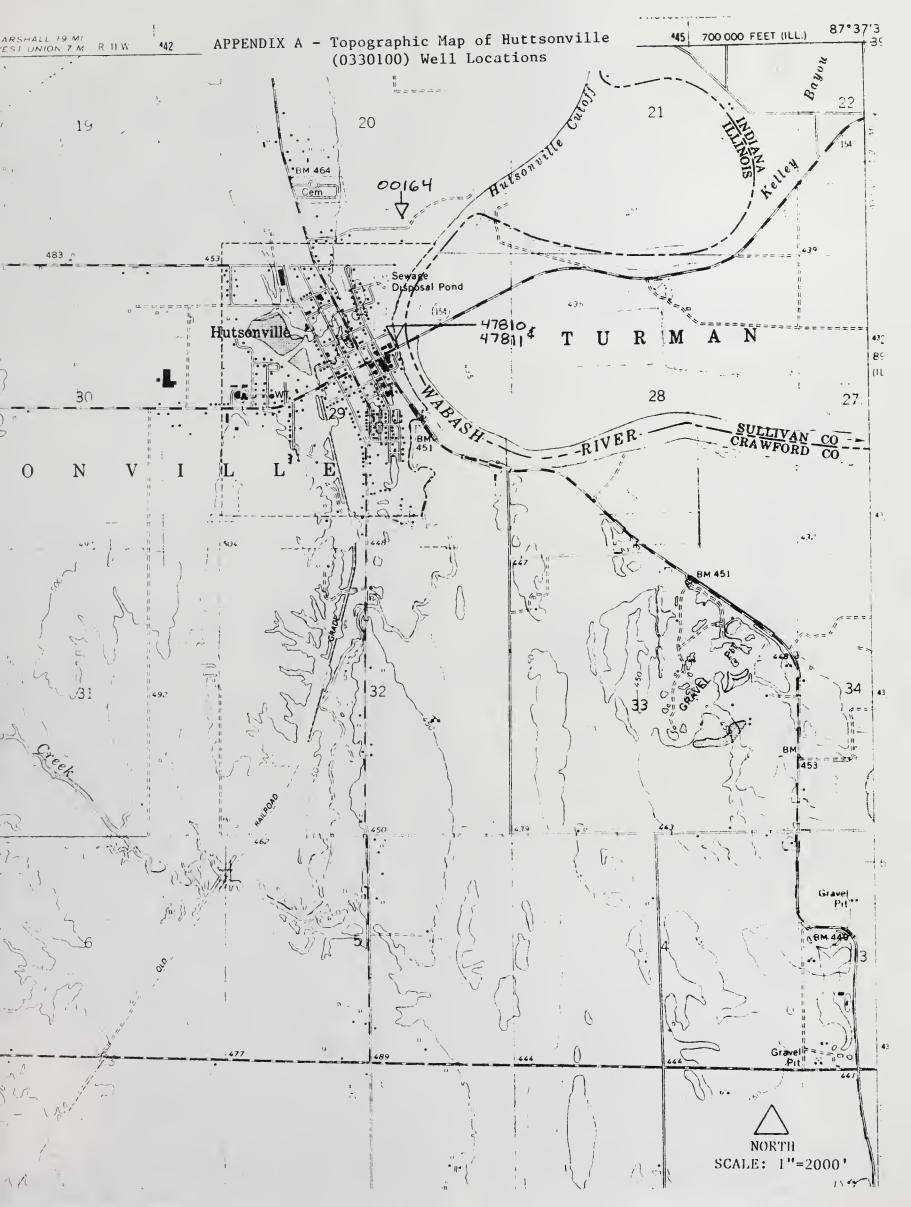
The Agency strongly urges Hutsonville to consider establishing a maximum setback zone ordinance for its wells. Maximum setback zones prohibit the siting of new potential primary sources of groundwater contamination up to 1000 feet from respective wellheads. To aid you in the development of further regulatory coverage for your well supply, the Agency prepared a "Maximum Setback Zone Workbook" that provides detailed case studies of how to establish maximum setback zones. This text and further technical assistance is readily available form the Agency and the Illinois State Water Survey.

Local governments are also encouraged to consider conducting groundwater protection needs assessments. Any county or municipality having a population less than 25,000 or 5,000 persons respectively, may request the Agency to conduct a hazard review in lieu of a need's assessment. The Agency may issue an "advisory of groundwater contamination hazard" if a significant hazard to the public health or the environment exists.















Appendix B1 - WELL SITE SUMMARY DESCRIPTION AND GEOLOGIC PROFILE Hutsonville Well No. 2 (IEPA #47810)

SURVEYOR:

Dulka

SURVEY DATE: 07-24-91

ADDRESS:

Village of Hutsonville

P.O. Box 277

Hutsonville, IL 62433

AGENCY WELL NO: 47810

WELL NAME & DESC: well #2

TREATMENT APPLICATION POINT:

FACILITY NO. & NAME: 0330100 - Hutsonville

FACILITY PHONE CONTACT: 618-563-4307

LOCATION: TWP, RNG, SECTION, 10 ACRE PLOT: 08N, 11W, 29, 4H

DISTANCE FROM CORNER: 625S, 2000W

QUAD SHEET CODE & NAME: 209C - Hutsonville

MIN. SETBACK: 400 feet

MAX. SETBACK:

SURFICIAL GEOLOGIC SUSCEPTIBILITY RATING: AX-Alluvium, a miture of gravel, sand, silt and clay along streams, variable in composition and thickness.

AGE OF WELL: 1946 WELL DEPTH: 37 feet CASING DEPTH: NA

AQUIFER CODE: 0101 - Sand & Gravel

MULTPLE AQUIFER (Y, N): Yes

SUMMARY DESCRIPTION OF 1,000' RADIUS AREA: The survey area is urban consisting partly of commerical businesses and partly of moderate density residential housing.

INTERVIEW(S) NAME-ADDRESS-AFFILIATION-TELEPHONE NO:

APPENDIX B1 - INVENTORY & SYNOPSIS OF UNIT(S) Hutsonville Well No. 2 (IEPA #47810)

*CLASSF KEY

MIN. ZONE OUTSIDE MIN. ZONE

PP = POTENTIAL PRIMARY OP = POTENTIAL PRIMARY
PS = POTENTIAL SECONDARY OS = POTENTIAL SECONDARY

RI = ROUTE

CC = CERTIFIED

XI = UNKNOWN

CU = CLEANUP

OR = ROUTE

CC = CERTIFIED

OX = UNKNOWN

CU = CLEANUP

WELL NO. - MAP CODE - CLASSF*: 47810-01

NAME & ADDRESS OF UNIT OWNER: Village of Hutsonville-STP, Hutsonville, IL 62433

DESCRIPTION AND COMMENTS: Village of Hutsonville-STP

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 900 feet north of the well

WELL NO. - MAP CODE - CLASSF*: 47810-02-0S

NAME & ADDRESS OF UNIT OWNER: Woolverton Service Station, 310 S. Clover St., Hutsonville, IL 62433

DESCRIPTION AND COMMENTS: Service station, 4 registered underground tanks OSFM #4-010629

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 600 feet southwest of the well

WELL NO. - MAP CODE - CLASSF*: 47810-03

NAME & ADDRESS OF UNIT OWNER: Old Ford Garage, 108 N. Nain St., Hutsonville, Il 62433

DESCRIPTION AND COMMENTS: Ford Garage-closed

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 550 feet south of the well

Appendix B2 - WELL SITE SUMMARY DESCRIPTION AND GEOLOGIC PROFILE Hutsonville Well No. 3 (IEPA #47811)

SURVEYOR: Dulka SURVEY DATE: 07-24-91

ADDRESS: Village of Hutsonville

P.O. Box 277

Hutsonville, IL 62433

AGENCY WELL NO: 47811
WELL NAME & DESC: well #3

TREATMENT APPLICATION POINT: 01

FACILITY NO. & NAME: 0330100 - Hutsonville

FACILITY PHONE CONTACT: 618-563-4307

LOCATION: TWP, RNG, SECTION, 10 ACRE PLOT: 08N, 11W, 29, 4H

DISTANCE FROM CORNER: 645S, 2000W

QUAD SHEET CODE & NAME: 209C - Hutsonville

MIN. SETBACK: 400 feet

MAX. SETBACK:

SURFICIAL GEOLOGIC SUSCEPTIBILITY RATING: AX-Alluvium, a miture of gravel, sand, silt and clay along streams, variable in composition and thickness.

AGE OF WELL: 1958
WELL DEPTH: 32 feet
CASING DEPTH: 28 feet

AQUIFER CODE: 0101 - Sand & Gravel

MULTPLE AQUIFER (Y,N): Yes

SUMMARY DESCRIPTION OF 1,000' RADIUS AREA: The survey area is urban consisting partly of commercial businesses and partly of moderate density residential housing.

INTERVIEW(S) NAME-ADDRESS-AFFILIATION-TELEPHONE NO:

APPENDIX B2 - INVENTORY & SYNOPSIS OF UNIT(S) Hutsonville Well No. 3 (IEPA #47811)

*CLASSF KEY

MIN. ZONE OUTSIDE MIN. ZONE

PP = POTENTIAL PRIMARY OP = POTENTIAL PRIMARY
PS = POTENTIAL SECONDARY OS = POTENTIAL SECONDARY

RI = ROUTE

CC = CERTIFIED

XI = UNKNOWN

CU = CLEANUP

OR = ROUTE

CC = CERTIFIED

OX = UNKNOWN

CU = CLEANUP

WELL NO. - MAP CODE - CLASSF*: 47811-01

NAME & ADDRESS OF UNIT OWNER: Village of Hutsonville-STP, Hutsonville, IL 62433

DESCRIPTION AND COMMENTS: Village of Hutsonville-STP

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 1000 feet north of the well

WELL NO. - MAP CODE - CLASSF*: 47811-02-OS

NAME & ADDRESS OF UNIT OWNER: Woolverton Service Station, 310 S. Clover St., Hutsonville, IL 62433

DESCRIPTION AND COMMENTS: Service station, 4 registered underground tanks OSFM #4-010629

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 600 feet southwest of the well

WELL NO. - MAP CODE - CLASSF*: 47811-03

NAME & ADDRESS OF UNIT OWNER: Old Ford Garage, 108 N. Main St., Hutsonville, Il 62433

DESCRIPTION AND COMMENTS: Ford Garage-closed

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 425 feet south of the well

APPENDIX B3 - WELL SITE SUMMARY DESCRIPTION AND GEOLOGIC PROFILE Hutsonville Well No. 4 (IEPA #00146)

SURVEYOR:

Dulka

SURVEY DATE: 07-24-91

ADDRESS:

Village of Hutsonville

P.O. Box 277

Hutsonville, IL 62433

AGENCY WELL NO: 00146

WELL NAME & DESC: well #4

TREATMENT APPLICATION POINT: 01

FACILITY NO. & NAME: 0330100 - Hutsonville

FACILITY PHONE CONTACT: 618-563-4307

LOCATION: TWP, RNG, SECTION, 10 ACRE PLOT: 08N, 12W, 20, 4B

DISTANCE FROM CORNER: 0557N, 1855W

QUAD SHEET CODE & NAME: 209C - Hutsonville

MIN. SETBACK: 400 feet

MAX. SETBACK:

SURFICIAL GEOLOGIC SUSCEPTIBILITY RATING: AX-Alluvium, a miture of gravel, sand,

silt and clay along streams, variable in composition and thickness.

AGE OF WELL: 1987 WELL DEPTH: 77 feet CASING DEPTH: 62 feet

AQUIFER CODE: 0101 - Sand & Gravel

MULTPLE AQUIFER (Y,N): Yes

SUMMARY DESCRIPTION OF 1,000' RADIUS AREA: The survey area is urban consisting partly of commerical businesses and partly of moderate density residential housing.

INTERVIEW(S) NAME-ADDRESS-AFFILIATION-TELEPHONE NO:

APPENDIX B3 - INVENTORY & SYNOPSIS OF UNIT(S) Hutsonville Well No. 4 (IEPA #00146)

*CLASSF KEY

MIN. ZONE OUTSIDE MIN. ZONE

PP = POTENTIAL PRIMARY

OP = POTENTIAL PRIMARY

PS = POTENTIAL SECONDARY

OS = POTENTIAL SECONDARY

RI = ROUTE OR = ROUTE

CU = CLEANUP CU = CLEANUP

WELL NO. - MAP CODE - CLASSF*: 00146-01

NAME & ADDRESS OF UNIT OWNER: Village of Hutsonville-STP, Hutsonville, IL 62433

DESCRIPTION AND COMMENTS: Village of Hutsonville-STP

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 975 feet southwest of the well

WELL NO. - MAP CODE - CLASSF*: 00146-02

NAME & ADDRESS OF UNIT OWNER: Woolverton Service Station, 310 S. Clover St.,

Hutsonville, IL 62433

DESCRIPTION AND COMMENTS: Service station, 4 registered underground tanks OSFM #4-010629

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 2500 feet southwest of the well

WELL NO. - MAP CODE - CLASSF*: 00146-03

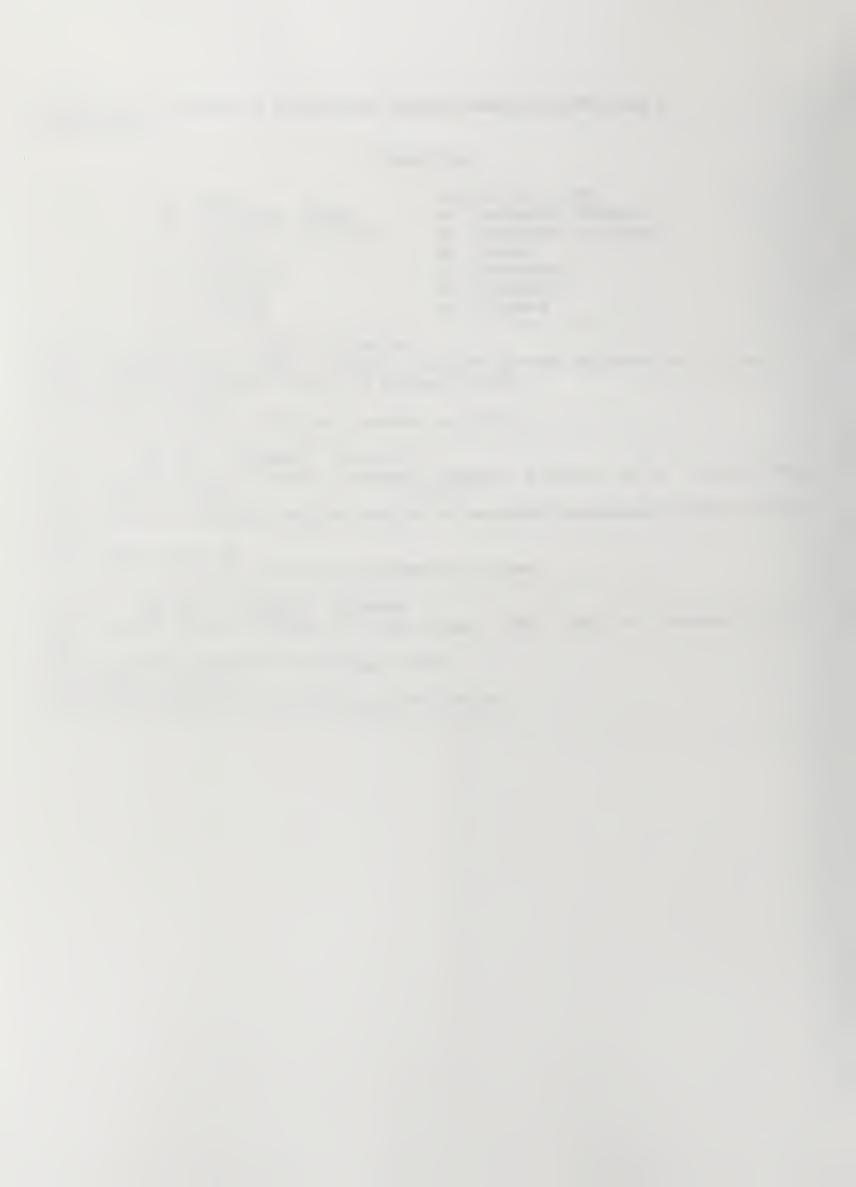
NAME & ADDRESS OF UNIT OWNER: Old Ford Garage, 108 N. Main St., Hutsonville, Il 62433

DESCRIPTION AND COMMENTS: Ford Garage-closed

PRE OR POST (Y,N): Yes

DISTANCE AND DIRECTION: 2500 feet south of the well

APPENDIX C



PROTECTION AGENC	MATER SUPPLIES	LS REPORT
LLINDIS ENVIRONMENTAL	DIVISION OF PUBLIC	FACILITY WELLS

PAGE: 2

FACILITY: 3330100 HUTSUNVILLE

PWGWP053

REPORT: MODULE:

PWGWW027

OFFICIAL CUSTODIAN ----DUNER 62433 PRESIDENT - VILLAGE HUTSONVILLE PO 80X 277 W B GRAY

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INTERVAL 2 - TYPE: 0 - N/A SCREEN MATL: 0 - NOT APPLICABLE
INTERVAL 2 - TYPE: 0 - N/A SCREEN MATL: 0 - NOT APPLICABLE
AQUIFERS: QUATERNARY SYSTEM - UNKNOWN WELL: 47810 WELL 2 IS NORTH WELL OF 2 N OF BRIDGE LATITUDE: N39 06 38.0 ALTITUDE METHOD COCE: INTERVAL 1 - TYPE: 0 - N/A ALTITUGE METHOD CODE:
INTERVAL 2 - TYPE: 0 - N/A SCREEN MATL: 0
INTERVAL 2 - TYPE: 0 - N/A SCREEN MATL: 0 00164 WELL#4 ON NE CORNER OF TOWN LATITUDE: N39 06 53.0 ALTITUDE (FT): 0.00 ALTITUDE METHOD SUSCEPTIBILITY - LAND BURIAL: AK WELL: 03164 ALTITUDE (FT):

THP: 08N RNG: 11W SEC: 29 PLOT: 4H DRILLED DEPTHEFT): BACKUP STATUS: ACTIVE LCNGITUDE: WOBT 39 29.0 WELL: 47811 WELL 3 IS SOUTH WELL OF 2 N OF BRIDGE LATITUDE: N39 06 38.0

000 0.00 DEPTH TO 80T (FT): DEPTH TO BOT (FT): --- MINIMUM SETBACK(FT): 0400 ---00.0 00-0 0.00 DEPTH TO TOP (FT): DEPTH TO TOP (FT): DEPTH TO TOP (FT): SUSCEPTIBILITY - LAND SPREADING: SCREEN MATL: 0 - NOT APPLICABLE SCREEN MATL: 0 - NOT APPLICABLE SCREEN MATL: 0 - NOT APPLICABLE - CNKNOWN ALTITUDE HETHOD CODE: ALTITUDE (FT): 0.00 ALTITUDE METHOD AQUIFERS: QUATERNARY SYSTEM INTERVAL 1 - TYPE: 0 - N/A
INTERVAL 2 - TYPE: 0 - N/A
INTERVAL 2 - TYPE: 0 - N/A INTERVAL

SUSCEPTIBILITY CODES

LAND BURIAL: AX = ALLUVIUM, A MIXTURE OF GRAVEL, SAND, SILT, AND CLAY ALONG STREAMS, VARIABLE IN COMPOSITION AND THICKNESS. INACTIVE WELLS WHICH ARE IMPROPERLY INACTIVE WELLS SHOULD TITHEP BE RITROFITTED FOR USE OR PROPERLY ABANDONED.
ABANDONED ARE CONSIDERED POTENTIAL ROUTES ACCORDING TO P.A. 85-0863. WNOTE:

APPENDIX D

ILLINDIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF PUBLIC WATER SUPPLIES SELECTEC SAMPLE EXPANDED REPORT

PAGE: 13 0ATE: 06/10/93

DATE: 06/10/93	0	DELIVERED BY: A O RECEIVED BY: H E LAB SUPERVISOR: JTH FUND CODE: PW33	RAW WTR LEVEL																													DELIVERED BY: UPS
	COMM: V TYPE WATER	COLL DATE: 07/24/91 LAB COMPL: 08/30/91 SMPL PERIOD: 07/91	RESULT DRINK WIR R	0.010 < 4.000	.010	0.010 <		0.010 < 0.200	010 <	0.010 <	0.010 <	0.010 <	0000 2000	•	1.000 < 5.000	10.000	0.050 <	0-050 <	> 0000	.050	> 0.00 0	0.50	0 20	9	050	> 001.0	0-100	-	161.000		13.430	COLL DATE: 07/24/91
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DIVISION OF SELECTED S	ELL 4 GN NE CORNER JF TOWN SOUTH WELL DF 2 N OF BRIDGE	OCATION: HUTSONVILLE/WELL 3 LLLECTOR: A DULKA OMMENTS: GN PESTICIDE SRVATNS: 1 GAL WATER	SCRIPTION	ANE UG/L	12.F	CHLDPDANE UGZ	A CHLORDANE UGAL		ODE UC/L	006	-000 007	TO	>	001 U6/L	20	ס מפער	EX UG/L	INDN UG/L	EL UGZL	COUNTE	1/90	U6/1	THION UGAL	12		UGZL	LACHLOR (DUAL) DEZL	RATE GPM	IVITY - FIELD CUMMOS/CM &	NIT S	FIND	LOCATION: HUTSONVILLE
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ILLI-10IS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF PUBLIC WATER SUPPLIES SELECTEL SAMPLE EXPANDED REPORT

PUGUPO48

REPORT: MODULE:

PAGE: 14 DATE: 06/10/93

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RAW	5-SPEC/OTHR	I-GUM INO		N	7030	1 00410	9095	960	7600	1 00630	0061	3273	۱.	0000				1 01147	1	1 !				01007			1	1 01042			5 01067	0	7 01082		8	1 72037	-01	6000	0700	i	:
HPL TYPE:	PURP:	HPL PROG:	ANALYSIS RSI	N OI	3.0	37000 00	77000 00	108T000 00	97000 30	0 T 0 0 0 T 0	17000 30	8	Oil		1161000 001		TOO OUTE	57030	7T 100	177T100 502	100	100	00	500		0	21	1777100 01			31	0	100 01	1771100 01	100 02	01200 00	01230 30	01200 00	001200 00	00	
 3		*	7		6		1:0	:		-	90	-		0	-			-	· ·	-		85	3 -	1			-	1	٠ . ت	-		-	-		71	-	1		46	2.0	:

1 1

ILLINDIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF PUBLIC MATER SUPPLIES SELECTED SAMPLE EXPANDED REPORT

PAGE: 15 DATE: 06/10/93

REPORT: PWGWP048 MODULE: PWGWM026

SHPL PUPP: 1-ROUTINE COMMENTS: SMPL PROG: 1-6WM INDRG 09SRVATNS:	LAB COMPL: LAB SUPERVISOR: SMPL PERIOD: 04/81 FUND CODE:
1 30	TRIGGER
TO NO NO DESCRIPTION	TR
00095 CONDUCTIVITY(=C)-LABCUMHOS/CM 3 25 C	810.000
3 PH LABORATORY UNITS	7.200
LKALINITY, TOTAL MG/L A	307.000
O HITTEGEN, AMMONIA TOTAL MG	
TIN OF	0.800 10.000
CYANIDE TOTAL MGZL AS Ch	0.005 < 0.200
30 HARONESS, EDTA MGZL AS CACO3	362.000
CALCIUM, TOTAL RECOVERABLE MG/L AS CA	108.000
CONTINUATOR OF FECOVERABLE MONE AS ON ANAL OF TOP	25.000
POTENTIES TOTAL RECOVERABLE HG/L AS K ANAL B	5.600
CHLORIDE TOTAL MG/L AS CL	41.000
SULFATE, TOTAL MGZL AS S	
FLUORIDE, TOTAL MG/L AS	0.120 4.000
	i
ARSENIC, TOTAR RECOVERABLE UGAL AS AS	1.000 < 50.000
BARIUM, TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP	57.000 1000.000
BERYLLIUM, TOTAL RECOVERABLE UGZL AS BE	0.500 K
BORON, TOTAL RECOVERABLE UG/L AS B ANAL BY IC	
CADMIUM, TOTAL RECOVERABLE UGZL AS CO ANAL BY	3.000 < 10.000
CHROMIUM, TOTAL RECOVERABLE UG/L ASCR ANAL BY	
COSALT.TOTAL RECOV	3,000 < 5000,000
TOON TOTAL DEFOUEDRIES INC. AS FERNAL BY TO	
TEAD TOTAL RECOVERABLE UGZL AS PR	
MANGANESE, TOTAL RECOVERABLE UGZL AS MN ANAL	249.000 150.000*
NICKEL, TOTAL RECOVERABLE UGZL AS NI ANAL BY	
SILVER, TOTAL RECOVERABLE UGZL AS AG ANAL BY ICP	S
TOTAL	\$ 000°5EZ
TAKE TOTAL DECOMPOSE F 15/1 AV NENAL DE	,
SELENTUM-TOTAL RECOVERABLE UG/L ASSE	5.000 < 10.000
RESIDUE, TOTAL FILTERABLE 2180 C.	487.000
TOTAL DISSOLVED SOLIOS	000
MERCURY	0.200 < 2.000
NO: 019501700	DATE: 01/24/91 DELIVERED BY:
YPE: RAW COLLECTOR: A DULKA	6 RCVD: 07/25/91 R
PURP: 5-SPEC/OTHR COMMENTS: GW	CAMP BED TON: 07/01 LAB SUPERVISOR: JIM

PWGWP048 PWGWM026

REPORT: MODULE:

ANALYSIS R\$LTSTORET		STANDARDS TRICCER
ID NO NO	UNITS RESULT ORINK WIR	RAM WTR LEVEL
31WB99 001 32106	0	
2101 BROMOOICHLORUMET	UG/L 0.500 <	
314800 003 32105 DIBROMOCHLOROMETHANE UG/L	0	
314800 004 32104 BROMOFORM UG/L CG/MS	0	
31WR00 005 34506 1.	0.500 < 200	
31WB00 006 34511 1,1,2-TRICHLORDETHANE UG/L	0.500 < 5.	
1Wb00 307 34501 1	> 005.0	
14800 008 34551 1,2,4-TRICHLOROBENZENE UG/L	> 005	
14800 009 34536 1,2 OICHLOPOBENZENE UG/L	500 < 60	(
31WB00 010 32103 1,2-0ICHLORDETHANE UG/	> 00 00	
1W300 011 34541 1,2-0ICHLOF3PROPANE	> 00.500	
1 WBOO 312 34571 PARA-DICHLORDBENZENE U	0.500 <	0
14800 013 34030 BENZENE UG/L	L 0.500 <	
31WB00 914 32102 CARBON TET	0.500 <	
314800 015 34301 CHLOROBENZENE UG/L	. 500 c	
31WB00 016 77993 CIS-1,2-0ICHL	> 00.00	
31WB30 017 34371 ETHYLBENZENE	. 500 K	
31W900 018 34423 METHYLENE	> 00.500	
31WB00 019 77128 STYRENE UG/L	0.500 <	
1WB00 320 34475 TETRACHLO	/L 0.509 <	
J21 34010 TOLUENE UG/L	L 0.500 <	
1WB00 022 81551 XYLENE UG/L	0.500 < 10	
1WB00 723 34546	L 0.500 <	
14800 024 39180 TRICHLORDETHYLE	0.500 < 5.00	
125 39175 VINYL CHLOFIDE UG/L	7. 0.500 < 2.00	
1W890 026 77562 1,1,1,1,2-TETR	0	
INBUD 027 34516 1,1,2,2-TETRACHLORDETHANE UG	0	
34496 1 1 1-DICHLORDETHANE U	0	
14800 029 77168 1,1-01CHLOROPROPEN	0.	
039 77443 1,2,3-TRICHL	L 0.50	•
1WB00 331 34566 M-DICHLORDRENZENE UG	0	
1 WBOO 032 77173 1,3-DICHLOROPROPANE U	١٠	
3 333 77170 2,2-0ICHLOROP	0	
14800 034 81555 BROMOBENZENE	٠٥	
1W803 035 34413 BROHOMETHANE	-0	
31W800 036 34311 CHLOROETHANE U	L 0.5	
34418 CHLOROMETHANE UG/L	١,٠	
300 038 34704 CIS-1,3-0ICHLOROPR	0.0	
1W833 039 81522 DIBROMOMETHANE UGZL	L 0.5	
00 040 77970 TOTAL CHLOROTOLUENES, UG/L	-0	
314000 241 34699 TRANS-1,3-CICH	5.0	4 4
01200 CO1 72037 PUMPING RATE GPM	/H 175.0	
01230 002 00094 CONDUCTIVITY - FIELD (UMHUS/CM 3 25 C)	UH/CH 653.000	
03 00090 OXIOATION-REDUCTION POTENTIAL (161 -000	





			0330100	2	
			47811	1.	-
ช.	Did you seal ladtom of well?	Yes Thickney	inches	fine Later propert	Plate !! We
9.	Was well under reamod?	Vo From	feel, to	feet.	in a swarrance
	505/605	From	fool to	feet,	
	50 /	From	feet to	feet. 9 9	
1)	If all across was not placed.	d hoffom, Jato how ii	was apintul.		
			et to foot; f	rom feet to	feet.
1.	Depth of well (from ground	level to import plug)	32 feet	3 inches.	·
2.	Was cement placed around	or between any of th	c casings?		70110
3.	If so, state where, how mu	ch and method used.	Ireniy PIPC	3 111m, 17h	m 26 Casi
	to 38 drilled hele	10' From.	11. 10 42"0	rilled hoic 9	
	6"Clay scal	bellew CCM	rent	otal Cemen	TUSCO 4.
4.	Log of well from ground le	003	0100 - 4781	' /	
	Feet Fret		Formation	FOR	SKETCH .
	to	Mon			FEI .
	2 to	Muchey Erd	y /	4 6	
	1 to 2 2 to 7 7 to 32	Grey Coarse	and Chrav	c/ 50	3
	32' to 4	lime stene Bo	·laci-	Wo o	Nativela
	to			0 0	
	to			0.00	
	to	<u></u>		// / hog	3
	to				65
	to				907
	to				200
	to				
	to				
	to			1 0	
	to				26 1/25
	to				
	to				G"Clay!
	to				0 -12"x 36'5
	to			5	10
25.	Remarks:				
					12"X 5 Ser
					I We'strale
				11	



DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE

ii. Depl. of Public Health Sew Capy — Wall Centractor

JEFFERSON, SPRINGFIZLD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER

SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH

IELL CONSTRUCTION REPORT

in. Depth.

Hole Diam.

Buried Slab: Yes.

Curb material

Driven Pelled | Tubular

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ö

a. Dug....

1. Type of Well

Drive Pipe Dien. Finished in Drift. Gravel Packed

In Rock la. Depth

GEOLOGICAL AND WATER SURVEY

DEC 11 1987

RECEIVED

THICKNESS DEPTH OF

Static level 245 ft. below casing to, which is

Size Hole below casing:

<u>.</u>

gpm for 5 bours.

IL ENVIRONMENTAL ROTECTION AGENCY MARION REGIONAL OFFICE

above ground level. Pumping level 35 ft. when pumping at 400

#	62433	On Inc. License No. 102-003092		awford						LOCATION 1	RCTION PL
Left No.	IL	• 76. 10		tr.	Sec. 20	8	WIT			To (M.)	+51
tsonvil	onville	nc. Licens	Date	13. County Crawford	Sec.	iwp.		Elev.		From (Ft.) To (Ft.)	61
of Bonney City of Hutsonville No.	City Hall Hutsonville, IL 62433	matselvem	004	rom Alliffical I	or death 76.61a 61. ft.	Diem. 10 in.	Length: 15_ft. Slot080"	i	15. Casing and Liner Pipe	Kind and Wolfft	Steel 40.48 #/ft.
10 Present	Addres	Peiller	Denti No	12. Water from	to de character	14. Screen: Diam.	Length	(15. Casing	Diem. (im.)	10"
		æ	:	#			5	9]

TO (Pt.)	Surface		
FROM (Ft.)	20		
(KIND)	Cement		
Grout:			

Sewer (non Cast iron) None Known Seepage Tile Field None Known Sewer (Cast Iron) None Known ann ann Mamure Pile. Banyard Distance to Nearest: 900 900 900 Septic Tank 900 Leaching Pit 900 Cess Pool

consumption? Yes X No. 6/24/87 Well furnishes water for human Date well completed

No 106621 Manufacturer Layne & Bowleype V. T. P. Location Mell Type Grout Permanent Pump Installed? Yes X Date 6/24/87 Capacity 300 gpm. Depth of Setting -2° Pitless Adopter Installed? Well Top Sealed? Yes X ഗ 6 r

Model Number -How attached to casing? Manufacturer

Well Disinfected? Yes_

Type __ Pump and Equipment Disinfected? Pressure Tank Size None gal. Location கு வ 9

Yes Water Sample Submitted?

73 S 8 S 2 8 Fine to Medium Sand and Gravel FORMATIONS PASSED THROUGH Fine Dark Brown Sand Fine to Medium Sand 8

- DATE 10/29/ CONTINUE ON SEPARATE SHEET IF NECESSARY) SIGNED -

Steven R. Petersen









